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MANDA'S

POCKET
GARDEN
DICTIONARY

OF

BULBS

SEEDS, PLANTS

FOR

FALL PLANTING

THE UNIVERSAL



HORTICULTURAL ESTABLISHMENT.

W. A. MANDA,

SOUTH ORANGE, N. J.

AUGUST 1, 1896.

TO MY PATRONS

In presenting this fifth catalogue, I beg to thank my numerous patrons and friends who have favored me with their commands at my new place.

To those not fully acquainted with my retirement from the incorporated stock company of Pitcher & Manda, I wish to state that I am not in any way connected with that firm, although they still keep my name. All orders and correspondence entrusted to me please address to

Yours respectfully,

W. A. MANDA.

**SOUTH ORANGE,
NEW JERSEY.**

VISITORS.

I am pleased at all times to receive visitors who are interested in plants of any description, and have a number of choice and rare subjects which will repay any one coming even a long distance to see. The Nurseries are situated on the D., L. and W. R. R., adjoining the depot of South Orange. There are 83 trains daily, so visitors will only have a few minutes to wait, trains being so frequent. There are also electric cars from Newark to South Orange, connecting with the Penn. R. R. and Jersey City R. R. every ten minutes. Taking it all in all, it is the most accessible Nursery in the country, and one that contains the second largest collection in America.

FOR KIND OBSERVATION.

This, like my previous catalogues, is gotten up plain and inexpensive, giving all the information possible, without exaggerating the article, or misleading the public in any way. It is a small book that will be appreciated by the intelligent public for its briefness.

I am at all times pleased to hear from collectors or raisers of new varieties of plants, seeds, or bulbs with view of purchasing or exchanging same.

If you are in need of a good Gardener or Assistant, write to me. I can recommend you reliable men that I know personally.

If there is anything you want and do not see in the catalogue, send in your order for it just the same, and I will charge you the lowest market price.

In sending your orders, kindly name some variety I may substitute in case I am sold out of the one you ask for, or give me the privilege to put equally as good kinds. It will help me and give you just as good satisfaction.

Kindly recommend my house to your friends interested in horticulture. I will treat them liberally.

Please Send in Your Orders Early.

SEASONABLE HINTS.

Time when Bulbs are ready for shipment.

August—Roman Hyacinths, Freesia, Narcissus, Allium, Jonquils, Anemone, Lilium candidum and Harrisii.

September—Dutch Hyacinths, Tulips, Narcissus, Crocus, Callas, Iris, Japan L. longiflorum.

November—Spiræa, Lilium auratum and others, Lily of the Valley.

In figuring how many bulbs a certain bed or part of same will take, ascertain the number of square inches, and allow as follows:

1 Hyacinth	to	35 square inches.
1 Tulip	to	20 "
1 Narcissus	to	20 "
1 Snowdrop	to	1 "
1 Crocus	to	2 "
1 Scilla	to	2 "
1 Lily	to	100 "
1 Lily of the Valley	to	2 "

This will give you the amount of bulbs needed, while for general collection of Perennial plants, allow about one square foot for each plant.

Never try to force any bulbs before they are well rooted.

Plant or pot all your bulbs as early as possible, so that they will have ample time to get well rooted, and then they will produce good flowers.

Most of the failures come from too late planting.

Lily of the Valley is the only kind that can be forced without making new roots.

Best Soil for Forcing Bulbs.

5/10 good turfy loam ; 2/10 good rotten leaf soil ; 2/10 good rotten cow or sheep manure ; 1/10 sharp sand.

The whole well mixed together.

This mixture will suit any bulbs. Never use peat in your mixture or green manure.

Beds for Bulbs.

See that the bed is well drained, and the soil rich and not too heavy. All kinds of bulbs delight in light, warm soil, and winter over very much better than in heavy, wet ground.

Bulbs that should be more grown are Spanish and English Irises, *Hyacinthus candidans*, and collections of Daffodils and Lilies.

~ **Crocuses** planted in the lawn make fine show in the early spring without injuring the lawn; their leaves are cut with the first cutting of the grass.

Plant a lot of **Narcissus** among grass in meadow or underneath the trees where nothing would grow, and you will get a handsome show in the early season. **Narcissus**, especially the **Poet's Eye**, are so cheap that they can be used for naturalizing.

Do not forget to plant bulbs among your shrubbery, they will give continuance of flower during the season. All tall growing plants are adapted for such purpose, such as Lilies, *Hyacinthus candidans* and *Narcissus*.

If you have a shady corner where grass refuses to grow, plant Lily of the Valley, and you will have a green plant, besides a show of flowers in May.

Hardy Lilies as a rule delight in rich, well drained, moist soil, with plenty of leaf soil. The bulbs should be planted at least six inches deep.

In potting or planting small bulbs of any kind, it is best to place them on a layer of sharp sand $\frac{1}{8}$ inch thick, and then cover with soil. It will prevent possible rotting.

When you plant more than one variety in a bed, select such that will flower at the same time, to make the bed attractive.

On the contrary, planting informally in borders, wild gardens and shrubberies, the selection should be so as to give as prolonged blossoming as possible.

During the Tulip craze in Holland, a single bulb of Tulip brought \$3,000. Now, for that sum, I could furnish you one million of better Tulips than those sold in those days.

Most of the Herbaceous plants give best results if planted in the fall in September and October. Look over the list in this catalogue, and start an old-fashioned garden that will grow handsomer every year.

Pansies should be sown in August and September to get strong plants by the spring; same applies to **Cineraria**, **Calceolaria**, **Primula**, **Forget-me-not** and **Cyclamen**.

Lawns made in the fall give as good and many times better results than when made in spring. With our late fall the grass, if sown in August and September, has a chance to establish itself better, especially under deciduous trees. Manda's Universal Mixture is as good as any and better than many.

If you want to enjoy fine Strawberries next June, plant in August or September. The Marshall is considered the best variety in cultivation, and no one should be without it.

Plant in rows 18 inches apart, and each row 3 feet apart.

Plant the pistillate varieties in alternate rows with the perfect ones.



SPECIAL OFFER**TO WHOLESALE BUYERS.**

For description see other parts of this Catalogue.

LILIES.

Per 100. Per 1000.

Harrisii,	5 to 7...	\$5 00	\$42 50
"	7 to 9.....	7 00	60 00
"	9 to 11.....	18 00	160 00
"	11 to 13.....	25 00	

Longiflorum (Japan grown).

"	5 to 7.....	5 00	45 00
"	6 to 8.....	6 00	55 00
"	7 to 9.....	7 00	65 00
"	9 to 10.....	12 00	

Auratum	7 to 9.....	12 00	95 00
"	9 to 11.....	16 00	145 00
"	11 to 13.....	25 00	

Speciosum	7 to 9.....	12 00	95 00
"	9 to 11.....	16 00	135 00
"	11 to 13.....	25 00	
" album	7 to 9.....	15 00	125 00
" " "	9 to 11.....	20 00	

Candidum	11 to 13.....	6 00	55 00
Collection of 40 varieties of Lilies for \$9.50.			

HYACINTHS.**Romans.**

White , first size.....	\$3 00	\$28 00
Extra selected	3 75	32 50
Blue	3 25	30 00
Light pink	3 25	30 00
Rose	3 25	30 00
Yellow	4 50	42 00
Italian white	2 75	25 00

Dutch Hyacinths.

For bedding , all colors mixed, single.....	2 80	26 00
" " " double.....	2 80	26 00
" colors separate.....	3 00	28 00
For forcing , first size, selected, named....	9 00	85 00
" second size "	6 00	55 00
Miniature for forcing , separate colors.....	2 75	25 00

TULIPS.

Forcing or bedding , single mixed	1 00	9 50
" " double "	1 00	9 50
Forcing, named , my selection.....	1 75	15 00
Bedding , " "	1 75	15 00
Late flowering , for bedding	1 25	10 00

NARCISSUS.

	Per 100.	Per 1,000.
Von Sion	\$2 75	\$22 50
Paper White	1 75	12 00
" <i>grandiflora</i>	2 00	15 00
Poeticus	1 15	9 00
Bicolor Horsfeldii	7 50	55 00
Polyanthus named , my selection.....	3 00	

CROCUS.

White named	75	5 00
Blue "	90	6 50
Striped "	90	6 50
Large yellow	1 25	9 00
All colors mixed		3 00

Lily of the Valley , selected pips.....	1 75	15 00
Freesia refracta alba , first size.....	1 50	10 00
" " " mammoth	2 00	15 00
Calla Lilies , white.....	15 00	
Iris , Spanish mixed.....	1 00	9 00
" English "	1 25	10 00
" German "	8 00	
" Japan "	10 00	
Snowdrops , single.....	1 25	10 00
" Giant.....	3 00	25 00
Pæonies , choicest varieties, mixed.....	18 00	
Spiræa Japonica	9 00	
" <i>grandiflora</i>	12 00	
Gladiolus Colvillei alba	75	9 00
Azalea Indica , best varieties.....	45 00	
" <i>mollis</i> , "	65 00	
Rhododendrons , best hardy named.....	115 00	

ESTIMATES.

I will furnish gladly any special quotation on any quantity of goods in the horticultural line, which will favorably compare with any reliable firm for like quality, which is only one, and that "**The Very Best.**"

Do not buy any Seeds, Plants, Bulbs, Trees, or Shrubs before you consult my catalogues.

My General Catalogue will be sent to all applicants.

PLEASE ORDER EARLY.

HYACINTHS.

The most important of all the bulbs in cultivation is the Hyacinth. Easy of culture, flowers of which could be had from January till May, the rich perfume and the wide range of colors which it embraces, besides the good lasting qualities, are the many virtues of this plant. The cost of the bulbs is so small that for a few dollars quite a collection can be procured. The mixed kinds for bedding are indispensable to every garden.

CHOICE NAMED HYACINTHUS.

The following list includes all the most desirable varieties, such as produce the largest bells or spikes and force readily. Great pains have been taken to include only the best and most distinct colors and shades.

Single Red.

	Each.	Doz.
Amy , bright carmine, fine stripe.....	\$0 10	\$1 00
Baron Van Thuyll , rose color.....	10	1 00
Chas. Dickens , rose, dark, extra.....	20	2 00
Fiance Royale , large, extra.....	10	1 00
Gen. Pellisier , carmine, very early.....	15	1 50
Gertrude , red, dwarf, fine spike.....	10	1 00
Gigantea , light rose, large bells.....	10	1 00
La Reine des Jacinths , extra fine.....	15	1 50
Lord Macaulay , dark rose.....	15	1 50
Lord Wellington , large, red.....	15	1 50
Norma , pale waxy pink, early, the best....	10	1 00
Robt. Steiger , deep red, fine spikes	15	1 50
Sultan , rosy.....	15	1 50
Tubiflora , large, rose.....	10	1 00
Von Schiller , dark red, large.....	15	1 50

Single Pure and Blush White.

Alba maxima , very large	10	1 00
Alba superbissima , pure white, fine.....	10	1 00
Baron Van Thuyll , pure, early, for forcing..	10	1 00
Blanchard , large, pure white.....	15	1 50
Grandeur a Merveille , bluish white, extra...	10	1 00
Grand Vainqueur , pure white.....	10	1 00
Grand Vedette , pure, early, for forcing.....	10	1 00
La Belle Blanchisseuse , pure.....	10	1 00
La Grandesse , pure, the finest white.....	15	1 50
La Neige , the earliest of all.....	20	2 00
Madame Van der Hoop , pure, extra fine....	15	1 50
Mina , pure white, fine spikes.....	15	1 50
Mont Blanc , pure white, large bells.....	15	1 50
Pavilion Blanc , pure white, good.....	15	1 50
Queen Victoria , pure white.....*	20	2 00

Single Dark and Light Blue.

	Each.	Doz.
Baron Van Thuyll , bright blue, compact....	\$0 10	\$1 00
Blue Mourant , dark blue, fine spikes.....	10	1 00
Charles Dickens , light blue, large bells....	10	1 00
Couronne de Celles , fine porcelain, extra....	15	1 50
Czar Peter , porcelain, extra fine variety...	15	1 50
Gen. Pellissier , clear blue, fine.....	10	1 00
Grand Lilas , porcelain, extra spikes.....	15	1 50
“ Maitre , dark porcelain bells.....	10	1 00
Grand Vainqueur , large, light blue.....	15	1 50
King of the Blues , dark, extra fine.....	15	1 50
La Peyrouse , porcelain.....	20	2 00
Leonidas , early, bright blue.....	10	1 00
Mary , dark, early, fine spikes	10	1 00
Queen of the Blues , light blue.....	15	1 50
Uncle Tom	15	1 50

Single Yellow.

Fleur d'Or , pure yellow.....	15	1 50
Heroine , pure yellow.....	20	2 00
L'Or d'Australie , very fine, large.....	20	2 00
La Pluie d'Or , pale yellow, fine.....	15	1 50
Ida , pure, best yellow, fine spikes.....	15	1 50
King of Holland , orange yellow, early.....	15	1 50

Double Red.

Bouquet Royal , fine rose.....	15	1 50
Bouquet Tendre , dark red, early, fine.....	10	1 00
Czar Nicholas , bright rose	10	1 00
Grootvorst , rose, large bells.....	10	1 00
Koh-i-Noor , very large.....	20	2 00
Princess Royal , pink.....	15	1 50

Double White.

Anna Maria , purple centre, fine.....	10	1 00
Bouquet Royal , yellow centre.....	15	1 50
Grand Vainqueur , pure white.....	10	1 00
La Diesse , very fine.....	15	1 50
La Tour d'Auvergne , pure white, early.....	15	1 50
La Virginite , creamy, with red centre.....	10	1 00

Double Blue.

Charles Dickens , violet blue, fine	10	1 00
Garrick , dark early, large spike.....	10	1 00
Lord Wellington , dark blue.....	15	1 50
Laurens Koster , large dark.....	15	1 50
Rembrandt , bright large flowers.....	10	1 50

Double Yellow.

Bouquet d'Orange , rich orange color.....	15	1 50
Goethe , citron.....	10	1 00
Heroine , bright.....	20	2 00
Jaune Supreme , bright.....	20	2 00
Louis d'Or , pure yellow.....	10	2 00
Ophir d'Or , late.....	15	1 50

EARLY ROMAN HYACINTHS.

Best adapted for early forcing, and can be easily had in flower from 1st December until spring. The spikes are graceful, and very useful for cut flower purposes.

	Per doz.	Per 100.
White, first size.....	\$0 45	\$3 00
Extra selected.....	55	3 75
Blue.....	45	2 75
Light Pink.....	45	3 25
Dark Pink	45	3 25
Yellow	90	4 50
White Italian.....	60	3 00

Miniature Hyacinths or Dutch Romans.

These can be forced in the same way as the Early Roman Hyacinths any time after New Year's.

Price, 30c. per doz.; \$2.50 per 100.

Single, in the following colors: White, Red, Blush, Dark Blue, Light Blue, Yellow.

Hyacinths. Show Collections, Double and Single, My Selection.

	Per 100.
25 in 25 best named varieties, for.....	\$2 75
50 in 25 " " "	5 20
100 in 25 " " "	10 00
50 in 50 " " "	7 70
100 in 50 " " "	14 30
250 in 50 " " "	27 50

Hyacinths for Bedding, Unnamed.

These will make a fine show in beds or borders.

	Per doz.	Per 100.
Single white, pure or blush.....	\$0 55	\$3 30
" red	55	3 30
" rose.....	55	3 30
" blue, light or dark.....	65	3 85
" yellow	75	4 40
" in above colors in equal portions..	65	3 85
" mixed, all colors.....	50	3 00
Double white, pure or blush	55	3 30
" blue, light or dark.....	65	3 85
" rose.....	55	3 30
" red.....	55	3 30
" yellow	90	5 50
" in above colors in equal portions..	65	3 85
" and Single, all colors mixed.....	45	2 75

SEEDS.

Although I have enumerated only a few seeds that are used in the fall, I carry a complete stock, and can always furnish any kind desired, and in the very best strains obtainable. A more complete list of Flower Seeds, as well as Vegetable Seeds, etc., will be found in my Pocket Garden Dictionary, which will be sent to any address on application.

TULIPS.

After the Hyacinths, Tulips are the general favorite with the public. They are unsurpassed for garden beds, while equally useful for forcing in pans or pots. The rich, gaudy colors of their large and handsome satiny flowers, representing all the rich shades of colors, are the show of parks and gardens and admiration of passers-by. Massed either in solid colors in design, or mixed all the colors together, they make as showy a bed as could be made with any bulb or plant. The price should certainly not prevent any one from using them freely, being very nominal, as the list will show. Tulips are exceedingly cheap this season and should be used largely.

Special price per 1,000 of any variety, on application.

Single Early Tulips.

	Per doz.	Per 100.
Artus , brilliant scarlet, fine	\$0 20	\$1 00
Belle Alliance , scarlet.....	25	1 50
Canary Bird , rich yellow, early.....	30	2 00
Cardinal's Hat , fine, dark red.....	20	1 00
Chrysolora , golden yellow, extra.....	30	1 50
Cottage Maid , rosy pink.....	50	2 50
Couleur Ponceau , rosy crimson and white..	20	1 00
Couleur de Cardinal , scarlet, dark.....	25	1 50
Duchess de Parma , brown and orange.....	20	1 00
Duc Van Thol , common crimson.....	20	1 00
" " yellow	45	2 50
" " scarlet.....	20	1 00
Joost Van den Vondel , rose and white.....	30	1 50
Keizerskroon , red, with yellow edge.....	40	2 00
La Reine , white, rose shaded.....	20	1 00
L'immaculee , pure white, good.....	20	1 00
Pottebakker , white, fine flowers.....	40	2 50
" scarlet, ".....	40	2 00
" yellow, ".....	40	2 00
Proserpine , salmon pink, extra.....	70	4 00
Queen Victoria , white.....	20	1 00
Roi Cramosie , bright crimson.....	20	1 00
Rosamundi Huykman , rose and white.....	40	2 00
Rose Griseline , soft rose.....	35	1 75
Superfine , mixed.....	50	75
Vermilion Brilliant , rich red.....	70	4 00
Yellow Prince , golden yellow.....	30	1 50

Double Early Tulips.

Alba Maxima , fine, white.....	30	2 00
Duc Van Thol , red and yellow.....	20	1 00
Duke of York , red, edged white.....	30	1 25
Imperator Rubrorum , very fine, scarlet.....	40	2 25
La Candeur , pure white, fine.....	20	1 00
Murillo , white and pink, choice.....	45	2 75
Queen Victoria , carmine red.....	35	2 00
Rex rubrorum , scarlet, good.....	40	2 25

TULIPS—Continued.

	Per doz.	Per 100
Salvator Rosa , rose, very fine.....	\$0 50	\$3 00
Tournesol , red and yellow.....	40	2 00
" yellow, grand flower.....	65	4 50
Superfine , mixed.....	15	75

Tulips for Bedding.

Single red	20	1 10
" yellow	55	3 30
" white	45	2 75
" yellow and red.....	20	1 10
" rose	45	2 75
" extra fine mixed, all colors.....	25	1 65
Double red	20	1 10
" yellow	25	1 65
" white	20	1 10
" pink	55	3 30
" yellow and red.....	20	1 10
" extra fine mixture.....	25	1 40
" and Single , fine mixed.....	25	1 40

Parrot Tulips.

Admiral de Constantinople , fine red.....	30	1 50
Lutea Major , yellow	30	1 50
Monstre Rouge Major , very fine, scarlet.....	30	1 50
Perfecta , yellow, spotted red.....	30	1 50
Rubra et lutea , red and yellow.....	30	1 50

Late Tulips.

Bizarres , choice mixed.....	25	1 40
Byblooms , best mixture	45	2 75
Breeders , choice mixture.....	45	2 75
Gesneriana , scarlet fine.....	30	2 50

NARCISSUS.

Too much cannot be said in favor of the already popular Daffodil, only to say, plant more and you will want more of these elegant and useful flowers, that can be used for any purpose. Narcissus is perhaps the easiest of all the bulbs to grow, not particular as to soil or situation, and will form a mass very quickly. The Polyanthus Narcissus are not hardy, but are very useful for early forcing. The Daffodils, single and double, can be used either for planting out or equally as well for forcing.

Narcissus—Daffodils—Single Flowered.

	Per doz.	Per 100
Alba simplex odorata , white.....	\$0 50	\$3 00
Bicolor Empress , splendid trumpets.....	3 00	20 00
" Emperor, large flowers.....	3 00	20 00
" Horsfeldii, very fine, large	1 00	7 50
Bulbocodium , yellow, dwarf.....	50	3 00
Golden Spur , early, large, yellow.....	1 00	6 00
Incomparable , yellow.....	40	2 00

NARCISSUS—Continued.

	Per doz.	Per 100
Poeticus	\$0 25	\$1 25
“ ornatus	50	3 00
Princeps sulphur	50	3 00
Trumpet major	50	2 75
“ Silver	1 50	10 00
Jonquils , single yellow	25	1 00
“ campernelles , fine	25	1 00

Daffodils, Double Flowered.

Alba plena odorata , white	30	1 50
Incomparable , pure yellow	40	2 00
Orange Phœnix , white and orange	50	3 00
Silver Phœnix , white, fine	1 50	10 00
Von Sion (true), best for forcing	50	2 75

Polyanthus Narcissus.

Aurora , fine large yellow	1 00	7 50
Gloriosa , white and orange	75	5 00
Grand Monarque , white	75	5 00
“ Soleil d'Or , yellow	1 00	7 50
Her Majesty , white and yellow	40	2 00
Jaune Supreme , yellow	1 00	7 50
La Citroniere , yellow	40	2 00
La Surprise , fine white	40	2 00
Queen Victoria , yellow	40	2 00
Staaten General , white	75	5 00
Totus albus (Paper White), fine early	20	1 75
“ grandiflora , large flowers	25	2 00
Chinese Sacred Lilies each 15 cts.	1 50	10 00

CROCUS.

One of the earliest of spring harbingers, pushing their showy flowers sometimes through the snow as early as March. A very pleasant effect is produced by planting Crocuses among the grass on the lawn, where they will produce a brightly colored carpet with the advent of spring. Some of my bulbs produced 20 to 30 flowers last season.

	Per 100	Per 1000
Yellow Mammoth Bulbs	\$1 50	\$12 00
“ 1st size	1 25	9 00
“ 2d size	90	6 50
Mixed , all blue	50	4 00
“ “ striped	50	4 00
“ “ white	50	4 00
“ “ colors	40	3 00

Blue.

Albion , large dark purple	50	4 50
Baron von Brunnow , dark	50	4 50
General Havelock , very large purple	50	4 50
Non plus ultra , fine purple	50	4 50
Purpurea grandiflora , large	50	4 50
Rembrandt , purple with blue	50	4 50

White.

	Per 100	Per 1000
Caroline Chisolm , finest white.....	\$0 50	\$4 50
Cloth of Silver , very fine.....	50	4 50
L'Innocence	50	4 50
Mammoth	50	4 50
Mont Blanc , very large.....	50	4 50
Queen Victoria	50	4 50
Snowflake	50	4 50

Striped and Variegated.

Albion , fine striped.....	50	4 50
Argus , variegated,.....	50	4 50
La Majestueuse , large striped.....	50	4 50
Lord Palmerston , large striped.....	50	4 50
Sir Walter Scott , white striped.....	50	4 50
Versicolor , variegated	50	4 50
Cloth of Gold	50	4 50

VARIOUS BEAUTIFUL AND INTERESTING BULBS.

	Each.	Per doz.
Allium neapolitanum , fine white.....	\$0 05	\$0 50
“ Molly luteum , bright yellow.....	10	75
Astroemeria , various kinds.....	25	2 50
Amaryllis Belladonna , rose.....	20	2 00
“ formosissima , red.....	20	2 00
“ lutea (Sternbergia) yellow.....	10	1 00
“ hybrids , choice vars.....	60	6 00
“ longifolia , rose.....	25	2 50
“ “ alba , white.....	25	2 50
“ purpurea (Vallota) , scarlet.....	25	2 50
Anemone coronaria , choice mixed.....	05	25
“ “ “ double “	05	25
“ fulgens , bright scarlet.....	05	50
Anthericum Liliastrum major , white.....	20	2 00
Apios tuberosa , yellow	10	75
Arum sanctum (Black Calla) , black.....	30	3 00
Babiana , fine mixed.....	10	1 00
Bausingaultia baseloides	25	2 50
Bloomeria aurea , yellow.....	15	1 50
Brodiæa capitata , various kinds.....	05	50
Bulbocodium vernum	05	30
Calla æthiopica (Calla Lily) , white	15	1 50
“ “ “ Little Gem , dwarf.....	20	2 00
Calochortus , various kinds.....	10	75
Chionodoxa Luciliae	05	30
Colchicum , mixed	10	50
Convallaria majalis (Lily of the Valley), strong crown.....	05	25
Convallaria majalis aurea striata	10	60
“ “ rosea	10	60
“ “ flore pleno	10	60
“ “ alba grandiflora (new)	15	1 50
“ japonica		50

BULBS—Continued.

		Each.	Per doz.
Crocus (see page 11).			
Crown Imperial (see <i>Fritillaria</i>).			
Cyclamen persicum giganteum album	\$0 20	\$2 00	
C. persicum giganteum roseum	20	2 00	
" " rubrum	20	2 00	
" " mixed	15	1 50	
Daffodils (see page 10).			
Dicentra spectabilis (Bleeding Heart).....	15	1 50	
Eranthis hyemalis , yellow.....	05	30	
Erythronium americanum , yellow.....	05	50	
" albidum , creamy.....	10	50	
" giganteum , rose.....	10	50	
" dens-canis alba	05	30	
" " pupurea	05	30	
" " rosea	05	30	
" " mixed	05	30	
Eucharis amazonica , pure white.....	25	2 50	
Freesia Leichtlinii major , yellow.....	05	40	
" refracta alba , white.....	05	30	
" " mammoth	05	40	
Fritillaria imperialis (Crown Imperial).....	15	1 50	
Galanthus Elwesii (Giant Snowdrop).....	05	50	
" nivalis , white.....	05	25	
" " fl. pl.	05	35	
Hyacinthus candicans	05	50	
" other vars. (see pages 6, 7, 8.)			
Iris Anglica (Eng. Iris) fine mixed.....	05	40	
" atrofusca (new).....	50	5 00	
" Hispanica (Spanish Iris), fine.....	05	30	
" Iberica , rare species.....	15	1 50	
" Lortetii (new), very fine.....	35	3 50	
" Mariæ (Helene), new, grand.....	35	3 50	
" reticulata , purple.....	20	2 00	
" " Krelagei , purple.....	20	2 00	
" Sari nazarena (new), fine	35	3 50	
" Susiana (the Black Iris).....	25	2 50	
" tuberosa , rare and curious.....	15	1 50	
" Other vars. see Herbaceous Plants.			
Ixia hybrida , choice mixed colors.....	05	50	
Lachenallia , in varieties.....	10	1 00	
Leucojum aestivum , white.....	10	1 00	
" vernun , purple.....	10	1 00	
Lilium . See page 28.			
Montbretia crocosmaeflora	05	50	
" " Bouquet parfait	10	1 00	
" " Etoile de Feu	10	75	
Muscari botryoides alba , white.....	05	25	
" " cœrulea , blue.....	05	25	
" monstrosum , blue	05	40	
" plumosum , blue.....	05	40	
Narcissus . See page 10.			
Nerine sarniensis	25	2 50	
" Forthergilli major (rare).....	75	7 50	

BULBS—Continued.

		Each.	Per doz.
Ornithogalum arabicum , white...	.....	\$0 10	\$0 75
“ umbellatum , white .....	.....	05	50
Oxalis Bowiei , rose.....	.....	05	25
“ mixed, various colors.....	.....	05	20
Ranunculus , French, fine double, mixed, choice varieties.....	.....	05	25
“ Persian, fine double, mixed, best kinds.....	.....	05	25
Richardia aethiopica (White Calla) .....	.....	15	1 50
“ alba maculata , yellow.....	.....	20	2 00
Scilla bifolia , blue.....	.....	05	25
“ siberica , blue.....	.....	05	25
Schizostylis coccinea , scarlet .....	.....	10	75
Sparaxis , finest mixed colors.....	.....	05	25
Spiræa japonica , white.....	.....	10	1 00
“ “ compacta multiflora, .....	.....	12	1 25
“ astilboides , white.....	.....	12	1 25
“ “ floribunda , fine, new.....	.....	25	2 50
“ For other varieties see Herbaceous Plants.			
Sternbergia lutea , yellow.....	.....	10	1 00
Tigridia grandiflora , red.....	.....	10	1 00
“ “ alba , white.....	.....	10	1 00
“ pavonia , yellow.....	.....	10	1 00
“ rosea , rose.....	.....	25	2 50
Trillium erectum , purple.....	.....	10	1 00
“ “ album , white.....	.....	10	1 00
“ grandiflorum , white.....	.....	10	1 00
“ nivale , flesh color.....	.....	15	1 50
“ recurvatum , red.....	.....	15	1 50
“ sessile , red.....	.....	10	1 00
Tritoma Uvaria grandiflora , red.....	.....	15	1 50
Tritonia , fine mixed colors.....	.....	05	40
Vallota purpurea , scarlet, fine.....	.....	25	2 50

ORCHIDS.

These are undoubtedly the coming flowers, and every greenhouse or conservatory should have at least a few of these floral gems. They are of easy culture, and will grow in ordinary greenhouse or conservatory together with other common greenhouse plants, such as Geraniums, Fuchsias, etc. Most of the varieties can be grown in baskets or on blocks, and suspended from the roof, and thus they do not utilize any bench room. Orchids, when in bloom and kept in cool places, will last from four to ten weeks in perfection, so that any one having a small collection of Orchids will have some plants in bloom all the year round. Amateurs intending starting to grow Orchids should write for my Pocket Garden Dictionary and Catalogue, where a full list of the different varieties, together with cultural directions, will be found.

FRUIT TREES, ORNAMENTAL TREES AND SHRUBS, ETC.

I have a large and varied stock of these, of the kinds which are best suited to this and other climates, where great extremes of temperature are experienced, and where it is very necessary to plant only the hardiest varieties. In my Spring Catalogue will be found a full list, containing all the best kinds, to which I respectfully invite your attention.

CHOICE FLORISTS' FLOWER SEEDS.

For Immediate Sowing.

From my personal experience I know the great importance of purity and high grade of stock. Therefore, I make it a special feature to handle only the very best strains. Purchasers may have every confidence in the quality of the seed I offer, and in ordering should send for the best quality.

PANSIES.

Below you will find a list of the very finest of show pansies of incomparable size, beauty and luxuriance, especially my finest mixture.

In this mixture I have spared no pains in securing the finest strains and mixing carefully, only using those which I knew would give the best results. For size, coloring and abundance of flowers, this strain has no equal. They do best in summer in a cool, moist situation. Highly recommended for indoor culture in the winter.

Show.

Per pkt.

Manda's finest mixture , extra selected strain.....	\$0 50
Extra fine choice mixed , good useful mixture.....	25
Ordinary mixture of standard varieties.....	10
Odier , extra choice large blotched flowers.	25
Cassier , very large flowered, fine.....	25
Bugnot's superb fine strain.	50
Superb mixture of the Odier, Cassier and Bugnot's strains.	25
English choice mixture for general purposes.....	25
French fine strain of choice and bright colors.....	25
Trimardeau, or Giant Pansies , enormous flowers, extra.	25

One packet of each of the above 10 kinds for \$1.85.

Bedding.

These differ from the above in their flowers being smaller, but they are produced in greater profusion. They form bushy plants covered with bloom, and are better adapted for bedding, as the color of the flowers is mostly solid in this class, and they are therefore better able to stand the sun than the fancy forms of the Show Pansies.

PANSIES—Continued.

	Per pkt.
Cliveden , purple }	\$0 15
“ white }	15
“ yellow }	15
Azure Blue , choice, extra fine.....	15
King of the Blacks (Dr. Faust) , very dark variety.....	15
Black Blue (dark blue) , fine strain	15
Snow Queen , candidissima, delicate satiny white...	15
Light Blue , sky-blue.....	15
Lord Beaconsfield , very effective.....	15
Red Shades mixed , extra fine.....	15
Yellow , fine rich color for bedding	15
Pure White , good form and clear color.....	15
Gold Margined , splendid variety	15
Silver edged (Atropurpurea albomarginata) , charming...	25
Violet margined with white , extra fine.....	15
Choice mixture of Bedding Pansies, best varieties.	15
One package of each of the above 16 varieties for	1 75
One packet of each Show and Bedding kinds, 26 packets, for.....	3 25

CYCLAMEN.

These are among the most beautiful winter and spring flowering plants for the greenhouse.

Not only are the flowers very beautiful, but the leaves are very ornamental. The flowers run in shades from pure white to dark red.

	Per pkt.
Persicum giganteum , finest mixed	\$0 50
“ “ album . Pure white.....	50
“ “ atrorubrum . Dark red.....	50
“ “ roseum superbum . Extra fine...	50
“ “ sanguineum . Darkest red	50
“ “ Choice mixture.....	50
One packet of each of the above 5 varieties for...	2 00

CINERARIA.

One of the most beautiful spring flowering plants for greenhouse or conservatory decoration.

When well grown the flowers measure about two inches across, and cover the plant with a mass of bloom. Sow in late summer in a light compost. When large enough, transplant in small pots, and shift as required. They do best when kept in a cool place, and will do well in a frame protected from the frost.

	Per pkt.
Hybrida Grandiflora . Large-flowered. Choice Mixed.	\$0 50
“ “ Nana . Dwarf. Fine Strain....	50
“ Plenissima . Double. Choice mixed.....	1 00
Manda's mixture of the three Strains	50
One Packet of each of the above 4 kinds for.....	1 50

CALCEOLARIA.

Beautiful plants for greenhouse and conservatory decoration.

The curious pocket-shaped flowers are borne in the greatest profusion during the spring and summer. They vary greatly in color; some are self-colored, while others are beautifully spotted and blotched. Sow in late summer in shallow pans; transplant in thumb pots and shift as required. They like a cool situation, and will do well in a frame protected from frost.

	Per pkt.
Grandiflora , large flowered, fine strain.....	\$0 50
“ Pumila Compacta , dwarf, self-colored....	50
“ Tigrina , tigered or spotted, choice mixed,	75
“ “ Pumila Compacta , dwarf.....	75
“ Striata , new, striped, extra fine.....	50
Rugosa (shrubbery or bedding) the true bedding variety	25
Manda's Choice Mixture of the above	50

PRIMULA (Primrose).

One of the finest winter flowering greenhouse plants. The list below contains only the finest strains procured from the greatest specialist in Europe. Sow in early summer in shallow boxes or pans. When large enough, plant in small pots and shift as required. They enjoy rather a cool position, and will do well in a frame protected from frost.

	Per pkt.
Primula Chin. fimbriata rubra , red.	\$0 50
“ “ “ alba , white, excellent strain..	50
“ “ “ magnifica (Williams)....	75
“ “ “ fringed , finest mixed, first quality	50
“ “ “ filicifolia , finest mixed.....	50
“ “ “ globosa , “ “	50
“ “ “ fl. pl. , double white, pure....	75
“ “ “ “ blush	75
“ “ “ “ crimson	75
“ “ “ “ best mixed ...	75
“ “ “ Manda's finest mixture of the above	50
“ Auricula , fine, half hardy, perennial.....	25
“ Cashmeriana (capitata) , quite hardy.....	25
“ Obconica , excellent for pots and bouquets..	25
“ Elatior (veris) , first quality, large flowered, fancy.....	10
“ “ Duplex (Hose in Hose), very beautiful, “ gold-laced, charming varieties....	10
“ “ Verticillata , new, golden-flowered, greenhouse plant.....	50
“ Vulgaris , the true Yellow English Primrose,	10
One Packet of each of the above for.....	6 50

MYOSOTIS (FORGET-ME-NOT).

This beautiful little plant is too well-known to need any description. It does best in a cool, moist place, and can be used for spring bedding or winter flowering. The flowers, when cut and placed in water, will grow just as well as if on the plant.

	Per pkt.
Alpestris (Forget-Me-Not), blue.....	\$0 10
“ Alba , pure white.....	10
“ Robusta grandiflora (Elisa Fonrobert), large flowering.....	15
“ “ “ Alba , white.....	15
“ Victoria , dwarf, sky-blue flowers, the best for pot culture.....	15
“ “ Alba , pure white, new.....	15
Rupicola , porcelain, quite dwarf, excellent for pots, One package of each of the above 7 varieties for	20
	75

GRASS SEEDS.

(PRICE SUBJECT TO MARKET CHANGES.)

This short list comprises the best and leading kinds for making a beautiful lawn.

Manda's Universal Lawn Seed Mixture.

This lawn grass mixture is composed entirely of the finest quality of fine leaved dwarf-growing grasses, in such proportions as will enable it to withstand the extreme heat of our summers. The grasses which compose this mixture are extra well cleaned, so that all weeds are excluded, leaving nothing but the pure, clean seed.

I recommend four bushels to the acre. It is necessary to sow the seed very thick to get the most pleasing result—that is, a good lawn.

The best time to grow grass seed is in the spring or about the latter part of August. I prefer the spring. The success of establishing a good lawn depends much on the season and the condition of the ground at the time of sowing. A light raking in will protect the seeds greatly. Rolling, however, is at all times indispensable, and should any weeds appear they should be eradicated.

	Per qt.	Pk.	Bush.
Manda's Universal Lawn Seed Mixture. ..	\$0 25	\$1 25	\$4 50
Central Park Lawn Grass Mixture	20	1 15	3 50
Pasture Grass Mixture			2 25
			Per lb.
Creeping Bent Grass (<i>Agrostis stolonifera</i>).....			\$0 20
English Rye Grass (<i>Lolium Perenne</i>).....			11
Kentucky Blue Grass (<i>Poa pretensis</i>).....			11
“ “ “ “ choice.....			15
Red Top Grass (<i>Agrostis vulgaris</i>).....			15
“ “ Fancy recleaned.....			25
Clover , white.....			30
Any other Grass or Clover at market price.			

Special prices given on large quantities or for any other variety not mentioned here.

Greenhouse Flowering Plants.

I have a very large and varied collection of these, and have listed in my Spring Catalogue only the very best and most popular varieties. I can supply any other varieties not listed, and will be pleased at any time to quote special prices on application.

I have recently made large importations, adding many fine varieties to my large and varied collection of hard and soft wooded plants, such as *Ericas*, *Acacias*, etc., in the best varieties.

STRAWBERRIES.

Strawberries do best planted on new rich ground with plenty of manure worked into it, and having a sunny southern exposure.

Plant in August or September, so as to give the plants plenty of time to root well before cold weather sets in. They will produce a good crop of fruit the following season. The list I offer below comprises the very finest varieties.

The best early, medium and late sorts have the letters *e*, *m* and *l* before the names. The letter *p* after the name signifies Pistillate varieties. These sorts should never be planted together.

	Per doz.	Per 100.
<i>l</i> Belmont , rich, red fruit, fine.....	\$0 50	\$4 00
<i>e</i> Bubach's No. 5 (p) , very large, fine	50	3 50
Chas. Downing , good medium size.....	50	3 00
<i>m</i> Cumb. Triumph , productive and fine	50	3 50
<i>l</i> Gandy , large crimson berries	50	2 75
<i>m</i> Greenville (p) (new), sweet rich flower....	50	4 00
<i>e</i> Haviland (p) , very prolific, good.....	50	3 50
<i>m</i> Jessie , very large and productive.....	50	3 00
<i>e</i> Lovett's Early , medium size, prolific	50	3 00
<i>m</i> Marshall (new). The best variety grown.	60	4 00
<i>e</i> Michel's Early . One of the earliest vars..	50	3 50
Mary (new), very large productive.....	1 00	5 50
Princess , large, well formed berries.....	50	4 00
<i>e</i> Parry , fine standard variety.....	50	3 00
<i>l</i> Parker Earle , the most productive variety.	50	4 00
<i>l</i> Shuckless , medium size, richly colored...	50	4 00
<i>m</i> Sharpless , the best of old kinds.....	30	1 50
<i>m</i> Timbrell (new), very large and fine.....	50	4 00

The Two Best Berries.

Mary . Fine, robust grower, producing an extraordinary crop of large berries of fine form and color, and having a delicious flavor.....	1 00	5 50
Marshall . Without doubt the finest berry in cultivation for the northern climate. Berry very dark rich crimson flesh of a delicious flavor, plant vigorous grower and very productive.....	60	4 00

SPECIAL PLANTS FOR WINTER FLOWERING.

Roses.

I can still supply fine strong plants of the following varieties, out of 2-inch pots, at \$2.00 per dozen, \$12.00 per 100; or extra strong selected, out of 3 or 4 inch pots, at \$2.50 per dozen; or \$16.00 per 100. **Bride, Bridesmaid, Catherine Mermet, Cusin, Madame de Watteville, Madame Hoste, Meteor, American Beauty, Kaiserin Augusta Victoria, Mrs. P. Morgan, Perle des Jardins**, and many others.

Carnations.

I am growing a large lot of plants for winter flowering, and can supply the following in fine, strong, healthy plants from open ground.

	Per doz.	Per 100.
Bridesmaid , large, rich pink	\$3 00	\$18 00
Daybreak , flesh pink.....	2 00	12 00
Helen Keller , variegated, new, fine.....	3 00	18 00
Lizzie McGowan , pure white; the best.....	1 50	9 00
Mme. Diaz Albertini , bright light pink.....	2 00	12 00
Meteor (new), brilliant crimson.....	3 00	18 00
Portia , scarlet	1 50	9 00
Sweetbrier , pink, new	3 00	18 00
Storm King (new), snow white, very fine..	3 00	18 00
Wm. Scott , bright pink, one of the best....	2 00	12 00
My assortment of best kinds.....	2 00	12 00
Any other varieties of Carnations at market prices.		

Violets.

Every one having a greenhouse or a sash frame will want to grow some violets. The stock is plentiful, but the great difficulty is to procure plants clean from disease. I grow a fine lot of plants from a stock that never was forced, and in new ground, and therefore hope to have my plants as healthy and fine as they are at present writing.

	Per doz.	Per 100.
Farquhar , superior to Marie Louise	\$3 00	\$18 00
California , fine single flowers	2 00	12 00
Marie Louise , the best variety.....	2 00	12 00
Swanley , white.....	2 50	

Azaleas.

There is no greenhouse shrub that gives such satisfaction as a good plant and variety of Azalea. The following dozen varieties are the cream of the Azaleas, while I offer well furnished plants set with buds at the following low prices. Plants 9-10 inches in diameter, 75 cents each, \$7.50 per dozen; 10-12 inches in diameter, \$1.00 each, \$10.00 per dozen; extra large 12-15 inches in diameter, \$1.50 each, \$15.00 per dozen. Extra large specimens, price on application.

AZALEAS—Continued.

A. Borsig, pure double white.
Madame Van der Cruyssen, semi-double, bright rose.
Sigismund Rucker, lilac rose and white.
Bernard Andrea Alba, double white.
Deutsche Pearl, very early double, pure white.
Imperatrice des Indes, large double rose, edged white.
Souv. de Prince Albert, double white and lilac.
Dr. de Moor, double, intense rose.
Empereur de Bresil, rose and white, large, double.
Cocarde d'Orange, fine double, orange red.
Simon Mardner, very deep pink, shape of a Camellia.
Varvæana, a very large double, rose and white.
 And many other kinds.

Lilac for Forcing.

Fine strong plants, especially grown for forcing, with good buds.

Each. Per doz.

Charles X. \$0 75 \$7 50

Genistas.

Of this very useful greenhouse shrub, I have a large stock, and can furnish fine plants that will give a fine show of their golden flowers, at prices from 50 cents to \$5 each, according to the size of the plant.

Besides this I have hundreds of various stove and greenhouse flowering plants, a special list of which I will send on application.

GREENHOUSE FOLIAGE PLANTS.

This is a class of plant which is becoming more popular every day. Their fine and delicately marked foliage and graceful habit make them great favorites. There is nothing equal to a house filled with a collection of these plants. I have a very large and varied collection, and will at all times be pleased to furnish any information or prices of them, and would refer you to my list given on pages 69 to 73 of my Spring Catalogue.

Garden Requisites, Insecticides, Fertilizers, Pots, Tools, and Horticultural Books.

I am able to furnish at the lowest prices, and at all times, a full line of the above, and a full list will be found on pages 100 to 103 of my Pocket Garden Dictionary, published this spring, and which will be sent to any address, postpaid, on application.

HARDY PLANTS.

For Planting in August to October.

The following list comprises the very best hardy Perennials in cultivation in our climate. These plants are gaining strong favor year by year, for they are inexpensive ; once planted, live forever, increasing in size and beauty. It is not generally known that Hardy Plants do as well, and most kinds do better, when planted in the fall, when the plants get rooted and established in their new quarters, and give a fine show the first spring, thus saving one season.

These are the old-time favorites found in every old-fashioned garden—plants that have been neglected for a number of years, but which of late are receiving again the proper recognition due them on account of their many good qualities.

In the first place, they are inexpensive plants, not only in their original cost, but considering that, when once planted, they grow and increase from year to year, while the cost of maintenance is very slight.

With a good assortment of Hardy Perennials, a continuous show of flowers can be kept from the early spring until the frost cuts down all vegetation. With a judicious selection of these plants, not only can flower beds and borders be made attractive, but when proper kinds are chosen the ponds and marshes can be turned into an admiring object. Barren rocks and sand hills alike can be made beautiful, while, if planted in an informal, careless way, the pleasing effect of a wild garden is produced.

I would be pleased to make collections for sunny or shady places, dry, wet, sandy or clay soils, for rock-works, borders, wild garden, or any other purpose, at \$2.50 per dozen ; \$18 per hundred.

	Each.
Achillea Millefolia rubra , pretty rose colored flowers .	\$0 20
“ serrata plena , “ The Pearl.” Pure white...	15
“ tomentosa , fine for rockwork, yellow.....	20
Agrostemma coronaria (Rose Campion). Pink flowers.....	20
Althaea rosea (Hollyhock). Single, extra fine varieties.....	20
“ “ fine double varieties. All colors..	25
Alyssum saxatile compactum , yellow flowers, early...	15
Anemone Japonica , flowers, beautiful rose....	20
“ “ alba , a white form of the above..	20
“ “ rosea , a beautiful pink variety...	28
“ Pennsylvanica , pretty white flowers.....	15
Aquilegia hybrids , finest assorted. The very best varieties.....	20
“ vulgaris alba , white flowers, useful.....	15

HARDY PLANTS—Continued.		Each.
Arabis albida (Rock Cress), fine rock plant.....	\$0	15
Armeria Maritima (Sea Pink), pretty rose flowers...		20
" cephalotes , a very beautiful variety.....		25
" plantaginea , broad foliage, rose flowers		25
Artemisia pontica , well adapted for carpet bedding..		10
Asclepias tuberosa (Butterfly Weed), orange red flowers.....		20
Aster Nova Angliæ , purple with orange centre.....		15
" Many varieties for wild gardens. The best sorts		10
Campanula (Harebell) Carpatica , bluebell-shaped flowers		20
" grandiflora , large, deep slate blue		20
" persicifolia , flowers pale blue, useful....		15
" " alba , a white variety.....		20
" pyramidalis , an effective plant.....		20
" Medium (Canterbury Bells), choice, mixed.....		20
Cassia Marylandica (Senna), yellow flower.....		25
Clematis Davidiana , erect habit, blue flowers.....		25
" Stans , similar to above, flowers white.....		25
Clematis , other varieties, see Vines.		
Coreopsis lanceolata , bright golden flowers, excellent, " Harvest Moon		15
Delphinium formosum (Larkspur), rich blue.....		20
" hybrid (assorted varieties), extra fine ...		20
" Sinense (assorted varieties), dwarf, free flowering.....		15
Dianthus barbatus (Sweet William), various colors...		15
" superbus , a very handsome variety.....		20
" plumarius plenus , double, garden, pink.....		20
Dicentra spectabilis (Bleeding Heart).....		20
Digitalis purpurea (Foxglove), very ornamental, bright purple.....		15
" alba , a white form of the above.....		15
Doronicum plantagineum excelsum , yellow.....		25
Eryngium amethystinum , a grand plant for shrub-beries		15
Euphorbia corollata (Flowering Spurge), fine.....		20
Funkia cordata (Day Lily), flowers white.....		20
" grandiflora , flowers pure white.....		20
" lanceolata , narrow leaves, white flowers...		15
" undulata variegata , beautiful variegated.....		20
Gaillardia, grandiflora hybrida (Blanket Flower), flowers all summer.....		20
" " maxima , a grand variety.....		25
Glechoma hederacea variegata , trailing plant.....		15
Gypsophila paniculata (Baby's Breath), small white flowers		20
Helenium autumnale , large yellow flowers.....		20
Helianthus multiflorus (Perennial Sunflower), large yellow flowers.....		25
" " plenus , fine double flowers...		15
" " grandiplenus , improved form...		20

HARDY PLANTS—Continued.

	Each.
Helianthus multiflorus , <i>Soleil d'Or</i> , fine, soft yellow...	\$0 25
" <i>Maximilianus</i> , fine, late variety.....	20
" <i>mollis grandiflorus</i> , yellow, single flower..	25
" <i>orgyalis</i> , drooping leaves, very free.....	25
Heliopsis laevis (Ox Eye), large yellow flowers.....	15
" <i>Pitcherianus</i> , flowers all summer.....	20
Hemerocallis flava (Day Lily), golden, sweet scented,	20
" <i>Dumortierii</i> , flowers orange yellow.....	20
" <i>rutilans</i> , fine yellow flowers.....	20
" <i>Thunbergii</i> , fragrant, golden yellow.....	20
Hibiscus incanus , large white flowers	30
" <i>moscheutos</i> , a beautiful species.....	20
Iberis sempervirens (Evergreen Candytuft), white flowers, early.....	20
Iris Germanica (Fleur de Lis), assorted, beautiful varieties	20
" <i>Kæmpferii</i> (Japan Iris), extra fine, very beautiful.....	20
" " many varieties. See Novelty List.	
" <i>pseudo-acorus</i> (Water Flag), yellow flowers.....	15
" " <i>variegata</i> , foliage striped with white.....	25
" <i>Siberica sanguinea</i> , large purple flowers.....	15
Lepachys pinnata , flowers fine light yellow.....	20
Lychnis Chalcedonica , flowers scarlet.....	20
Monarda didyma , bright, red, showy flowers.....	20
Myosotis palustris semperflorens (Forget-Me-Not), perpetual flowers.....	15
Enothera fruticosa (Evening Primrose), yellow flowers	20
Pæonies, herbaceous , assorted; in best varieties only,	25
" Extra large clumps, 60c. to \$1 each.	
Papaver , in many varieties.	
" <i>Alpinum</i> (Poppy), small, reddish flowers...	20
" <i>bracteatum</i> , blood-red flowers.....	20
" <i>involucratum</i> , very fine, large-flowered.....	20
" <i>Oriente</i> , the finest perennial Poppies. ..	20
" <i>nudicaule</i> , excellent for cutting.....	15
Pentstemon barbatus , deep, scarlet flowers.....	20
" <i>diffusus</i> , blooming nearly all summer...	20
" <i>Digitalis</i> , tall, white flowered.....	20
Phlox amœna , favorite border plants.....	15
" <i>Carolina</i> , reddish purple flowers.....	15
" <i>reptans</i> , creeping variety, violet flowers.....	15
" <i>stellaria</i> , white flowers, pink eyes.....	25
" <i>subulata</i> (Moss Pink), very dwarf, early.....	15
" " <i>alba</i> , a beautiful white form.....	15
" <i>paniculata</i> , in assorted varieties; the finest sorts	15
" " The Pearl , flowers pure white, the finest..	20
Polemonium cœruleum (Jacob's Ladder), blue flowers,	20
" " <i>album</i> , white variety.....	25
Polygonum cuspidatum crispulum , feathery white flowers	35

HARDY PLANTS—Continued.

	Each.
Polygonum Sachalinense , handsome brown plant....	\$0 30
Pyrethrum roseum , in assorted varieties.....	25
" uliginosum (The Giant Daisy), white flowers.....	20
Rudbeckia maxima (Cone-flower), large yellow flowers.....	25
" fulgida , orange yellow, disk dark purple..	20
" speciosa , yellow, dark purple disk.....	20
" subtomentosa , fine for borders.....	20
Salvia pratensis (Sage), a blue flowering plant.....	20
Sedum Fabarium (Stone Crop), rosy pink flowers....	20
" Spectabile , one of the best border plants	20
Solidago (Golden Rod), many varieties for wild gardens	15
Spiraea aruncus (Meadow Sweet), white long spikes.	25
" astilboides , flowers white, graceful..	25
" " floribunda new.....	25
" filipendula , flowers white and rose.....	20
" " plena , white double flowers.....	25
" Japonica , pure white flowers.....	15
" " grandiflora , larger and closer.....	25
" palmata , brilliant crimson flowers.....	25
" ulmaria plena , double white flowers	25
" " variegata , variegated foliage.....	25
Statice latifolia , blue flowers on large panicles.....	25
Thermopsis Caroliniana , yellow flowers, early	25
Tunica saxifraga , small pink flowers.....	20
Verbascum Phœniceum , red, white and violet flowers.	20
Veronica longifolia subsessilis , deep rich blue.....	25
Vinca minor (Periwinkle), fine for growing under trees.....	10
" " fol. var. , foliage, variegated, handsome,	20
Yucca filamentosa , fine spikes of white flowers.....	35

NOVELTIES IN SEED.

Cineraria Hybrida Nana Grandiflora.
" *Atrosanguinea.*"

The large and well-formed flowers of this new Cineraria hybrida nana grandiflora are of a very brilliant dark blood-red color. The plant is very compact and dwarf in growth. A new constant hybrid of first rank. Per pkt., 50 cents.

Pansy, Cardinal.

The idea of every pansy grower is to grow a scarlet pansy. With this variety I am able to offer the nearest approach to it. The color of the flower is not the true scarlet like it is found in Geraniums, etc., but it would properly be called a brownish-scarlet. It represents the brightest color in Pansies grown up to to-day. The flowers are as well of good size as substance and perfect form. The three lower petals are marbled with a large dark blotch. Per pkt., 50 cts.

NOVELTIES AND SPECIALTIES.

Convallaria majalis "Fortin."

This is a grand new form with large spikes and bells ; a very desirable variety. Each, 15 cts. ; doz., \$1.50 ; per 100, \$12.00.

Adiantum Capillus-Veneris Imbricatum (The Hardy Farleyense).

This is a grand acquisition to the Ferns. In general appearance it rivals the famous *Adiantum Farleyense*, besides being a freer-grower and of much hardier constitution, and on that account well adapted to the general culture, and especially for fern dishes. Should be grown by every one. Received three first-class certificates in Boston, Lenox and New York. Nice plants, 35 cts. each.

New White Anemone Japonica, "Lady Ardilaun."

One of the most remarkable novelties introduced for many years. It is distinct at a glance from the old variety, having much larger foliage, stouter stems, greater heads, flowers much larger, petals of more substance and altogether pure waxy white, overlapping almost to the points. In addition to this there are double rows of petals symmetrically arranged, forming a complete flower of great attractiveness. Price, 35 cts. each.

New Anemone Japonica, "Whirlwind."

This is a semi-double white variety of this well-known plant. It has the same habit and free-flowering qualities, while the almost double character renders it more lasting when cut. A plant that should be in every collection of hardy plants. Price, 20 cts. each ; \$2.00 per doz.

Bougainvillea Sanderiana.

This is a fine dark variety of the popular *B. glabra*, having the additional merit of flowering in a very small state, so that two or three-inch pot plants are covered with its showy bracts. Price, young plants, 50 cts. each.

Coreopsis lanceolata, "Harvest Moon."

A grand improvement on the well-known species, and one that should be in every collection of Hardy Plants. The habit and flowers are much larger and stronger. Well adapted for cutting purposes. Each, 25 cts. ; per doz., \$2.50.

Helianthus Bouquet d'Or.

A grand novelty of the popular double hardy sunflower. The habit of the plant is same as *H. multiflorus plenus*, but the flowers are of a fine deep golden color, while the petals are finely imbricated, giving the flowers the appearance of an aster. Green plants in 2-inch pots, 35 cts. each.

Iberis Semperflorens Superba.

A grand variety of the popular perennial Candytuft. It has stronger growth, larger and broader foliage, while the flowers are in large umbels and superior substance. One of the finest of our early flowering hardy plants. Each, 35 cents.

Leontopodium alpinum, "Edelweiss."

A grand hardy plant which has become very scarce owing to its being greatly sought after by travelers in the Alps. Growing as it does on very inaccessible places on the Alps, many persons have lost their lives trying to procure it.

The flowers, which are white, are very beautiful, and if pressed after being cut will retain their former color and form.

I have been fortunate enough to procure some seed of this desirable plant, and am enabled to offer nice plants at very reasonable prices. Each, 25 cents; per dozen, \$2.50.

Leiophyllum buxifolium prostratum.

A newly discovered variety, with small evergreen foliage, growing only 4 to 6 inches in height, and covered with pretty white flowers in the spring. A grand plant for edging beds of Rhododendrons, etc. Each, 25 cents; per dozen, \$2.50.

Spiraea astilboides floribunda.

This grand new plant is as useful for forcing as for herbaceous border. It is in the same relation to *S. astilboides* as is *S. japonica floribunda* to the common *S. japonica*. The plant is compact, furnished with numerous spikes closely set with pure white flowers. A plant I can strongly recommend. Each, 25 cents; per dozen, \$2.50.

New Hardy Rose, Crimson Rambler.

This superb novelty is of the Polyantha class, and is of Japanese origin. The plant is of vigorous growth, making shoots eight to ten feet long. For covering trellises, or as a pillar rose, it cannot be excelled. It is also magnificent in bush form.

The flowers are produced in large pyramidal trusses, and in color are of the most brilliant crimson, lasting in perfection for two weeks with their freshness of color unimpaired. Each, 35 cents; per dozen, \$3.50.

New White Oriental Poppy.

"Silver Queen."—An extraordinary variety of this showy and ornamental perennial, with extra large, showy flowers, same as the type, with the exception of the color, which is beautiful silvery white, which renders it amongst the rarest and most beautiful hardy plants in cultivation, and should be in every garden. Each, 35 cents; per dozen, \$3.50.

Abies Fraserii.

This exceedingly handsome native tree is so seldom seen in cultivation that I make this special notice, and would recommend it to any one planting trees. The branches are rather broad, and of a glaucous shade, combining well with the bright green of the upper surface. A very free grower, and easy to transplant. Price, 50 cents to \$1.25 each, according to size.

LILIES.

I make a specialty of this the noblest of all the bulbous plants. Graceful and imposing in habit, with showy, large, sweet-scented flowers of pure and chaste colors. Such as *L. Harrisii*, *Longiflorum* and *Candidum*, invaluable for forcing, while *L. Auratum*, *Speciosum*, and a host of others are grand objects in borders among shrubbery or planted between Rhododendrons and hardy Azaleas. You cannot plant too many Lilies.

	Each.	Per doz.
Auratum , white with gold band.....	\$0 15	\$1 50
“ album , pure white	75	7 50
“ macranthum , very large.....	50	5 00
“ platyphyllum , fine massive foliage ..	40	4 00
“ pictum , richly colored.....	50	5 00
“ rubro-vittatum , rich crimson band..	85	8 50
“ Wittei , rare, white form	85	8 50
Batemanniae , nankeen color.....	20	2 00
Brownii , creamy white and purple, fine....	60	6 00
Bulbiferum , orange color	20	2 00
Canadense , red colored ..	15	1 50
“ flavum , yellow, pure.....	30	3 00
“ rubrum , deep rich red.....	30	3 00
Candidum , pure white	05	50
“ fl. pl. , double flowered.....	25	2 50
“ striatum , white, shaded purple..	30	3 00
“ fol. aur. var. , variegated foliage.	30	3 00
“ speciosum , improved form.....	30	3 00
Carnolicum , deep scarlet	30	3 00
Chalcedonicum , dazzling scarlet	50	5 00
Catanæ , purple black.....	50	5 00
Colchicum , primrose yellow.....	75	7 50
Croceum , orange red, large.....	20	2 00
Columbianum , yellow, spotted.....	25	2 50
Concolor , deep red.....	25	2 50
Coridion , yellow.....	25	2 50
Cordifolium , white, large.....	35	3 50
Davuricum , red.....	50	5 00
Delmaticum , purple black.....	75	7 50
Excelsum , light nankeen color.....	50	5 00
Eximium , pure white	40	4 00

LILIES—Continued.

	Each.	Doz.
Elegans , rich red.....	\$0 15	\$1 50
" aurantiacum , fine, orange.....	30	3 50
" atrosanguineum , blood red.....	25	2 50
" bicolor , red, shaded orange	15	1 50
" incomparable , dark scarlet.....	25	2 50
" pleno , double, large flower.....	50	5 00
" semi-pleno , partly double	25	2 50
" Variegata , red marbled.....	20	2 00
" Alice Wilson , beautiful yellow, rare.....	85	8 50
Giganteum , very large, white.....	2 50	
Grayi , orange spotted, new.....	50	5 00
Hansonii , orange yellow.....	75	7 50
Harrisii , white, for forcing.....	15	1 50
Humboldtii , orange red.....	75	7 50
Kamschatkense , brownish black	50	5 00
Kramerii , fine rosy pink	25	2 50
Leichtlinii , bright orange red	35	3 50
" aureum , bright golden yellow...	40	4 00
Longiflorum , pure white	15	1 50
" fol. var. , silver margined leaves	1 50	
Martagon , purple spotted.....	20	2 00
" rubrum , fine scarlet.....	50	5 00
" album , rare white variety	85	8 50
Medeoloides , orange, red spotted.....	30	3 00
Maritimum , rich red.....	85	8 50
Pardalinum , red, spotted yellow.....	20	2 00
Parvum , yellow.....	30	3 00
Parryii , soft yellow, rare.....	85	8 50
Philadelphicum , red, upright.....	15	1 50
Pomponium	30	3 00
Pyrenaicum	35	3 50
Pulchellum , deep red	50	5 00
Sulphureum , light yellow.....	1 50	
Superbum , yellow, brown spotted.....	15	1 50
Speciosum , pink, spotted crimson.....	20	2 00
" album , pure white, fine.....	30	3 00
" " monstrosum , large heads of flowers.....	30	3 00
" " Kroonprincess , very flo- riferous.....	40	4 00
" " praecox , early white form.	40	4 00
" Melpomene , white, shaded pink, rare.....	50	5 00
" Kratzerii , deep pink color.....	30	3 00
" " album , fine white variety	30	3 00
" Opal , most beautiful color, rare,	2 00	
" punctatum , heavily spotted.....	30	3 00
" purpuratum , rich deep color.....	30	3 00
" roseum , soft rose.....	25	2 50
" rubrum , deep rich color.....	25	2 50
Takesima , large white trumpets.....	20	2 00
Tennifolium , coral red.....	20	2 00
Thurnbergianum , red	15	1 50

LILIES—Continued.

		Each.	Doz.
Thurnbergianum, grandiflorum,	large red flowers	\$0 30	\$3 00
“	aureum , yellow variety	15	1 50
“	biligulatum , distinct form	15	1 50
“	Kikak , new variety of merit	15	1 50
“	Prince of Orange , fine form,	15	1 50
“	Van Houttei , red free flower- ing	15	1 50
Thompsonianum , deep pink		30	3 00
Tigrinum , The Tiger Lily		10	1 00
Tigrinum fl. plenum , double flowers		15	1 50
“ splendens , large and fine form		15	1 50
Uker Yuri , large white trumpets		85	8 50
Umbellatum , red colored flowers		10	1 00
“ erectum , upright flowers		15	1 50
“ grandiflorum , large flowers		15	1 50
“ incomparable , rich red		25	2 50
“ maculatum , finely spotted		15	1 50
Venustum , red, upright flowers		20	2 00
Washingtonianum , flesh-colored, fine		50	5 00
Wallichianum superbum , large white trumpets, rare		1 00	10 00

Any one ordering the full set of Lilies as per the above list, I will give free of charge the following: 12 **L. Auratum**, 12 **L. Speciosum**, 12 **L. Speciosum album**, 12 **L. Tigrinum splendens**, 12 **L. Longiflorum**, 12 **L. Batemanii**, 12 **L. Candidum**, 6 **L. Elegans**, making over a hundred Lilies free to induce purchasers to buy the whole collection.

DO NOT

Be misled because you see the firm name of Pitcher & Manda unchanged. Same firm, prior to my retirement, had been incorporated under that name, and I cannot prevent them from using it. You will find the *original* and *only*

W. A. MANDA

Universal Horticultural Establishment

SOUTH ORANGE, N. J.,

where please address all letters and orders intended for me, as I am not in any way connected with the firm that still uses my name.

SEND ME A TRIAL ORDER.

JAPANESE NOVELTIES AND SPECIALTIES.

Having made special arrangements with some of the most celebrated Japanese gardeners and raisers of new plants, I have secured a limited quantity of the latest novelties in the following classes of plants for which Japan is so famous. The supply being limited, I offer them in sets only. Strong plants ready for delivery on arrival from Japan in October, and orders filled strictly in rotation. All these plants are perfectly hardy, and will thrive in any ordinary garden, but prefer a somewhat sheltered situation, and once planted will come up year after year and make a grand display.

Japanese Maples.

One of the finest of our garden shrubs and trees. This collection embraces fifty distinct varieties, and two specimens curiously trained and having from four to six distinct varieties grafted on their twisted stems. Price for the entire collection, \$50.

Japanese Tree Paeonies.

This extraordinary collection comprises fifty most distinct varieties of very large size, having all the ranges of color from pure white to the darkest red. The entire collection of fifty varieties for \$50.

Japanese Lilies.

A complete collection of thirty-eight of the most beautiful lilies. They deserve general culture, and should be extensively planted. One strong bulb of each for \$12. Three bulbs of each for \$30.

Japanese Iris.

This set of fifty varieties is without doubt the grandest lot of Iris ever introduced from Japan, and no garden of any size should be without them. They thrive luxuriantly in rich damp soil, and produce a blaze of color during June and July. One strong plant of each of the fifty varieties for \$24.

PURE SHEEP MANURE.

I am greatly pleased to say that I have secured a large quantity of the very best sheep manure, perfectly pure and unadulterated, free from all straw or litter of any kind, which is generally found in most of the other grades.

I can safely say that it is the finest quality offered in the market. There is nothing can equal this manure for greenhouse purposes, such as top dressing roses, carnations, chrysanthemums, or any other plants that are strong feeders.

And there is nothing better for mixing through potting soil or for making liquid.

It is also the finest manure for top dressing lawns or for the manuring of fields or gardens.

In all respects it is par excellence. For top dressing greenhouse plants, use equal proportions of manure and good loam. For mixing through potting soil, use one part manure to nine parts loam. For making good liquid, use about ten pounds to the barrel. For lawns, fields or gardens, use about one pound to ten square feet, or two tons to the acre. 5 lb. bag, 25 cents; 10 lb. bag, 40 cents; 25 lb. bag, 75 cents; 100 lb. bag, \$2.75; per ton, \$38.

LANDSCAPE GARDENING.

This is a very important subject, and one that should not be neglected or overlooked, especially when building up a new place.

It means that, with a good plan, you can lay out your place to all the advantages it commands naturally, besides making and developing features where the location is disadvantageous. The roads and walks should be laid out, not only to be practical, but also to be in harmony with everything adjacent.

The proper location of trees and shrubs, and the selection of the best and most desirable kinds, are very important, for you are planting for the future, and as it takes years for a shrub or tree to grow, you should plant only such as would be desirable and valuable when grown up. The same applies to the location of vegetable, flower, fruit, rock or wild garden borders or flower beds.

The grouping or massing of either trees, shrubs, plants or bulbs, to produce certain effects at special seasons, either in foliage, flower or fruit, can only be successfully accomplished by having full knowledge of the habits and character of such plants.

Many unsightly corners and spaces could be not only hidden, but actually made beautiful. Thus, outside the general flower garden, barren rocks and stumps of trees can be covered with luxuriant growth.

Dry and sandy hills, where even grass refuses to grow, with proper selection can be made as beautiful as where the soil is rich, while marshes can be turned into handsome objects, and ponds covered with showy water plants. In one word, it is the knowledge of the habits of plants and their adaptability to certain locations that brings the desired success.

Locating and designing greenhouses, graperies, pits or frames on a place are also very important; so are the proper details in the construction of greenhouses, which are generally left to architects, who do not take into consideration the practical points of the greenhouse or conservatory.

Do not lay out your place without a landscape gardener any more than you would build a house without an architect; and you cannot do better than consult

Yours truly,

W. A. MANDA.

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W. A. MANDA,

Horticultural Expert,

MERCHANT, GROWER, IMPORTER
AND EXPORTER IN

Flower, Vegetable, and Grass Seeds,
Greenhouse and Hardy Plants
and Bulbs, Trees, Shrubs,
. . . and Vines. . .



Novelties a Specialty.



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Horticultural Builder,
Adviser and Valuer.

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at all the leading Horticultural Exhibitions in America.

ACTIVE MEMBER OF

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Pennsylvania Horticultural Society,
Lenox Horticultural Society,
New Jersey Horticultural Society,
Society of American Florists,
New York Florists' Club (Ex-President),
Philadelphia Florists' Club.

HONORARY MEMBER

Minnesota Horticultural Society,
Berkshire County Gardeners' and Florists' Club,
Boston Gardeners' and Florists' Club.

FORMERLY

Curator Botanical Gardens of Harvard University,
Cambridge, Mass.

Managing Partner PITCHER & MANDA
(lately incorporated Stock Company).

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